

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

057186.000003

First Inventor

Jingwu Z. Zhang

Title

T CELL RECEPTOR CDR3 SEQUENCE AND  
METHODS FOR DETECTING AND TREATING  
RHEUMATOID ARTHRITIS

Express Mail Label No.

EV342413403US

ADDRESS TO: Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

17612 U.S. PTO  
10/612468

07/02/03

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form PTO/SB/17 (in duplicate)
2. ☒ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification [Total Pages 39]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to a sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. ☒ Oath or Declaration-no signatures [Total Pages 3]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 19 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76.
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. ☒ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☒ Computer Readable Form (CRF)
  - b. ☒ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☒ paper
  - c. ☒ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
11. ☒ Power of Attorney-no signatures
12. ☐ English Translation Document (if applicable)
13. ☐ Information Disclosure Statement (IDS)/PTO-1449  
\_\_\_\_ Copies of IDS Citations
14. ☐ Preliminary Amendment
15. ☒ Return Receipt Postcard (Itemized)
16. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
17. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
18. ☐ Other: \_\_\_\_\_

19. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_  
Prior Application Information: Examiner: \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 20. CORRESPONDENCE ADDRESS

Direct all correspondence to:

☐ Customer Number or Bar Code Label:

<input checked="" type="checkbox"/> Firm Name	BRACEWELL & PATTERSON, L.L.P.				
Address	Attention: J. Wendy Davis, Ph.D.				
Address	P.O. Box 61389				
City	Houston	State	Texas	ZIP	77208-1389
Country	United States	Telephone	(713) 221-1162	Fax	(713) 222-3271
Name (Print/Type)	J. Wendy Davis, Ph.D.		Registration No.	46,393	
Signature	<i>J. Wendy Davis</i>		Date	July 2, 2003	

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 1,095.00**METHOD OF PAYMENT** (check all that apply)

1. ☒ The Commissioner is authorized to charge fee(s) indicated below and credit any overpayments to:  
**Deposit Account No.: 50-0259**  
 Deposit Account Name:  
**BRACEWELL & PATTERSON, L.L.P.**
- ☒ Charge any additional fee(s) required during the pendency of this application

2. ☒ Payment Enclosed: ☒ Check  
☐ Other  
☐ None

**FEE CALCULATION****1. Basic Filing Fee**

Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	\$750	2001	\$375	Utility Filing Fee	\$ 375.00
1002	\$330	2002	\$165	Design Filing Fee	\$
1003	\$520	2003	\$260	Plant Filing Fee	\$
1004	\$750	2004	\$375	Reissue Filing Fee	\$
1005	\$160	2005	\$ 80	Provisional Filing Fee	\$
<b>Subtotal (1)</b>					\$ 375.00

**2. Extra Claim Fees**

Claims	Extra	Fee (below)	Fee Paid
Total	44 - 20** = 24	x \$ 9.00	= \$ 216.00
Indep.	15 - 3** = 12	x \$42.00	= \$ 504.00
Multiple Dependent			\$

\*\*or number previously paid, if greater  
 For Reissues, see below

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description
\$ 18	\$ 9	Claims in excess of 20
\$ 84	\$ 42	Independent claims in excess of 3
\$280	\$140	Multiple dependent claim, if not paid
\$ 84	\$ 42	**Reissue independent claims over original patent
\$ 18	\$ 9	**Reissue claims in excess of 20 and over original patent

**Subtotal (2)** \$ 720.00**Complete if Known**

Application Number: Unknown  
 Filing Date: July 2, 2003  
 First Named Inventor: Jingwu Z. Zhang  
 Examiner Name: Unknown  
 Art Unit: Unknown  
 Attorney Docket No.: 057186.000003

**FEE CALCULATION (continued)****3. Additional Fees**

Large Fee Code	Large Entity	Small Fee Code	Small Entity	Fee Description	Fee Paid
1051	\$ 130	2051	\$ 65	Surcharge - late filing fee or oath	\$
1052	\$ 50	2052	\$ 25	Surcharge - late provisional filing fee or cover sheet	\$
1053	\$ 130	1053	\$ 130	Non-English specification	\$
1812	\$2,520	1812	\$2,520	For filing a request for <i>ex parte</i> reexamination	\$
1804	\$ 920*	1804	\$ 920*	Requesting publication of SIR prior to Examiner action	\$
1805	\$1,840*	1805	\$1,840*	Requesting publication of SIR after Examiner action	\$
1251	\$ 110	2251	\$ 55	Extension for reply within first month	\$
1252	\$ 410	2252	\$ 205	Extension for reply within second month	\$
1253	\$ 930	2253	\$ 465	Extension for reply within third month	\$
1254	\$1,450	2254	\$ 725	Extension for reply within fourth month	\$
1255	\$1,970	2255	\$ 985	Extension for reply within fifth month	\$
1401	\$ 320	2401	\$ 160	Notice of Appeal	\$
1402	\$ 320	2402	\$ 160	Filing a brief in support of an appeal	\$
1403	\$ 280	2403	\$ 140	Request for oral hearing	\$
1451	\$1,510	1451	\$1,510	Petition to institute a public use proceeding	\$
1452	\$ 110	2452	\$ 55	Petition to revive - unavoidable	\$
1453	\$1,300	2453	\$ 650	Petition to revive - unintentional	\$
1501	\$1,300	2501	\$ 650	Utility issue fee (or reissue)	\$
1502	\$ 470	2502	\$ 235	Design issue fee	\$
1503	\$ 630	2503	\$ 315	Plant issue fee	\$
1460	\$ 130	1460	\$ 130	Petitions to the Commissioner	\$
1807	\$ 50	1807	\$ 50	Processing fee under 37 CFR 1.17(g)	\$
1806	\$ 180	1806	\$ 180	Submission of Information Disclosure Statement	\$
8021	\$ 40	8021	\$ 40	Recording each patent assignment per property (times number of properties)	\$
1809	\$ 750	2809	\$ 375	Filing a submission after final rejection (37 CFR 1.129(a))	\$
1810	\$ 750	2810	\$ 375	For each additional invention to be examined (37 CFR 1.129(b))	\$
1801	\$ 750	2801	\$ 375	Request for Continued Examination (RCE)	\$
1802	\$ 900	1802	\$ 900	Request for expedited examination of a design application	\$

Other Fee (specify) \_\_\_\_\_

Other Fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**Subtotal (3)** \$ -0-**SUBMITTED BY**Date: July 2, 2003

J. Wendy Davis  
 J. Wendy Davis, Ph.D., Reg. No. 46,393  
 BRACEWELL & PATTERSON, L.L.P.  
 P.O. Box 61389, Houston, Texas 77208-1389  
 Telephone: (713) 221-1162 Facsimile: (713) 222-3271

**CERTIFICATE OF EXPRESS MAIL UNDER 37 CFR 1.10**

I hereby certify that this correspondence and its attachments are being deposited with the United States Postal Service as Express Mail, Express Mail Label No. EV342413403US, in an envelope on the date indicated, addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

By:

*Terence Lindquist*

Date:

*July 2, 2003*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

**Jingwu Z. Zhang et al.**

Serial No.: **Unknown**

Filed: **July 2, 2003**

For: **T CELL RECEPTOR CDR3  
SEQUENCE AND METHODS FOR  
DETECTING AND TREATING  
RHEUMATOID ARTHRITIS**

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Attorney Docket No.: **057186.000003**

Art Unit: **Unknown**

Examiner: **Unknown**

**TRANSMITTAL LETTER**

**Mail Stop Patent Application**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following documents:

1. Patent Application;
2. Utility Patent Application Transmittal;
3. Fee Transmittal for FY 2003;
4. Declaration and Power of Attorney (without signatures);
5. Sequence Compliance Statement, Nucleotide and/or Amino Acid Sequence Submission CRF diskette and Specification Sequence Listing on paper;
6. Check in the amount of \$1,095 for a small entity;
7. Certificate of Express Mail Under 37 CFR 1.10; and
8. Our return postcard, which we would appreciate your date stamping and returning to us upon receipt.

I hereby authorize the Assistant Commissioner to charge any additional fees that may be required or credit any overpayment to Bracewell & Patterson Deposit Account No. 50-0259 (Order No. 057186.000003).

Respectfully submitted,

Date: July 2, 2003

J. Wendy Davis

J. Wendy Davis, Ph.D., Reg. No. 46,393  
BRACEWELL & PATTERSON, L.L.P.

P. O. Box 61389

Houston, Texas 77208-1389

Direct Phone: (713) 221-1162

Direct Fax: (713) 222-3271